

**MORRISON | FOERSTER**

755 PAGE MILL ROAD  
PALO ALTO  
CALIFORNIA 94304-1018  
  
TELEPHONE: 650.813.5600  
FACSIMILE: 650.494.0792  
  
WWW.MOFO.COM

MORRISON & FOERSTER LLP  
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**FROM:** Arthur S. Hsieh**DATE:** August 24, 2005

Number of pages with cover page:	7	
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**Comments:**

Attorney Docket No.: 584682001800  
Group Art Unit: 3732  
Examiner: Not Yet Assigned  
Serial No.: 11/050,126  
Filing Date: February 3, 2005  
Inventor(s): Huafeng WEN  
Title: METHODS FOR PRODUCING NON-INTERFERING TOOTH MODELS

**Papers enclosed:**

1. Transmittal (1 page);
2. Power of Attorney to Prosecute Applications before the USPTO (1 page); and
3. Statement Under 37 CFR 3.73(b) and copy of Assignment (4 pages).

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PTO/SB/21 (09-04)

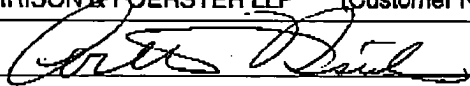
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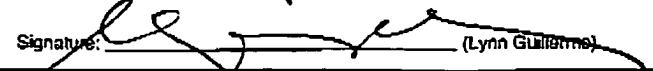
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<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	11/050,126	
	Filing Date	February 3, 2005	
	First Named Inventor	Huafeng WEN	
	Art Unit	3732	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission	6	Attorney Docket Number	584682001800

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/Incomplete Application  <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address, (1 page)  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____  <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Statement Under 37 CFR 3.73(b) and copy of Assignment, (4 pages) Fax Cover Sheet
Remarks: _____		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	MORRISON & FOERSTER LLP (Customer No. 25226)		
Signature			
Printed name	Arthur S. Hsieh		
Date	August 24, 2005	Reg. No.	48,247

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (571) 273-8300, on the date shown below.	
Dated: August 24, 2005	Signature:  (Lynn Guillette)

pa-1004395

PTO/SB/81 (09-03)

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**POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO**

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

25226

OR

☐ Practitioner(s) named below (If more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number:

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OR

☐ Firm or Individual Name

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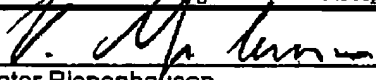
Assignee Name and Address:

OrthoClear Holdings, Inc.  
The Mill Mall, P.O. Box 92,  
Wickhams Cay 1, Road Town,  
Tortola, British Virgin Islands

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/98 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

**SIGNATURE of Assignee of Record**

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	8/5/2005
Name	Peter Riepenhausen	Telephone	011 49 6174 7238
Title	Chairman of the Board		

PTO/SB/96 (09-04)

Approved for use through 07/31/2005. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Huafeng WENApplication No./Patent No.: 11/050,126Filed/Issue Date: February 3, 2005Entitled: METHODS FOR PRODUCING NON-INTERFERING TOOTH MODELSOrthoClear Holdings, Inc.  
(Name of Assignee), a corporation  
(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.  
(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

  
SignatureAugust 24, 2005  
DateArthur S. Hsieh  
Printed or Typed Name650/813-5705  
Telephone NumberAttorney of Record  
Title

## ASSIGNMENT

COPY

THIS ASSIGNMENT, by Huafeng WEN (hereinafter referred to as the ASSIGNOR), residing at 2117 Gossamer Avenue, Redwood City, California 94065 witnesseseth:

WHEREAS, OrthoClear Holdings, Inc., a corporation duly organized and existing under the laws of British Virgin Islands and having its principal place of business at The Mill Mall, P.O. Box 92, Wickhams Cay 1, Road Town, Tortola, British Virgin Islands (hereafter referred to as the ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to certain inventions set forth in the following applications for Letters Patent of the United States:

- (1) U.S. Non-provisional Patent Application entitled "METHOD AND APPARATUS FOR MANUFACTURING AND CONSTRUCTING A PHYSICAL DENTAL ARCH MODEL" filed on November 2, 2004, bearing Serial No. 10/979,823.
- (2) U.S. Non-provisional Patent Application entitled "METHOD AND APPARATUS FOR MANUFACTURING AND CONSTRUCTING A DENTAL ALIGNER" filed on November 2, 2004, bearing Serial No. 10/979,497.
- (3) U.S. Non-provisional Patent Application entitled "PRODUCING AN ADJUSTABLE PHYSICAL DENTAL ARCH MODEL" filed on November 2, 2004, bearing Serial No. 10/979,504.
- (4) U.S. Non-provisional Patent Application entitled "PRODUCING A BASE FOR PHYSICAL DENTAL ARCH MODEL" filed on November 2, 2004, bearing Serial No. 10/979,824.
- (5) U.S. Non-provisional Patent Application entitled "PRODUCING NON-INTERFERING TOOTH MODELS ON A BASE" filed on December 14, 2004, bearing Serial No. 11/013,156.
- (6) U.S. Non-provisional Patent Application entitled "SYSTEM AND METHODS FOR CASTING PHYSICAL TOOTH MODEL" filed on December 14, 2004, bearing Serial No. 11/013,160.
- (7) U.S. Non-provisional Patent Application entitled "PRODUCING A PHYSICAL TOOTHMODEL COMPATIBLE WITH A PHYSICAL DENTAL ARCH MODEL" filed on December 14, 2004, bearing Serial No. 11/013,158.
- (8) U.S. Non-provisional Patent Application entitled "PRODUCING A BASE FOR ACCURATELY RECEIVING DENTAL TOOTH MODELS" filed on December 14, 2004, bearing Serial No. 11/013,159.
- (9) U.S. Non-provisional Patent Application entitled "PRODUCING ACCURATE BASE FOR A DENTAL ARCH MODEL" filed on December 14, 2004, bearing Serial No. 11/013,157.
- (10) U.S. Non-provisional Patent Application entitled "IMAGE BASED ORTHODONTIC TREATMENT VIEWING SYSTEM" filed on December 14, 2004, bearing Serial No. 11/013,146.
- (11) U.S. Non-provisional Patent Application entitled "TOOTH MOVEMENT TRACKING SYSTEM" filed on December 14, 2004, bearing Serial No. 11/013,147.
- (12) U.S. Non-provisional Patent Application entitled "IMAGE BASED DENTITION RECORD DIGITIZATION" filed on December 14, 2004, bearing Serial No. 11/013,153.
- (13) U.S. Non-provisional Patent Application entitled "PREVENTING INTERFERENCE BETWEEN TOOTH MODELS" filed on December 14, 2004, bearing Serial No. 11/013,154.
- (14) U.S. Non-provisional Patent Application entitled "ACCURATELY PREDICTING AND PREVENTING INTERFERENCE BETWEEN TOOTH MODELS" filed on December 14, 2004, bearing Serial No. 11/013,155.
- (15) U.S. Non-provisional Patent Application entitled "PRODUCING BASE FOR PHYSICAL DENTAL ARCH MODEL" filed on December 14, 2004, bearing Serial No. 11/013,152.
- (16) U.S. Non-provisional Patent Application entitled "ACCURATELY PRODUCING A BASE FOR PHYSICAL DENTAL ARCH MODEL" filed on December 14, 2004, bearing Serial No. 11/012,924.

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- (17) U.S. Non-provisional Patent Application entitled "FABRICATING A BASE COMPATIBLE WITH PHYSICAL TOOTH MODELS" filed on December 14, 2004, bearing Serial No. 11/013,145.
- (18) U.S. Non-provisional Patent Application entitled "METHODS FOR PRODUCING NON-INTERFERING TOOTH MODELS" filed on February 3, 2005, bearing Serial No. 11/050,126.
- (19) U.S. Non-provisional Patent Application entitled "STORAGE SYSTEM FOR DENTAL DEVICES" filed on February 3, 2005, bearing Serial No. 11/050,051.
- (20) U.S. Non-provisional Patent Application entitled "INTELLIGENT TRACKING OF DENTAL DEVICES" filed on February 3, 2005, bearing Serial No. 11/050,050.
- (21) U.S. Non-provisional Patent Application entitled "WRINKLE SHAPED ALIGNER TO REDUCE STRESS RELAXATION" filed on March 7, 2005, bearing Serial No. 11/074,301.
- (22) U.S. Non-provisional Patent Application entitled "PROCESS FOR PRODUCING WRINKLE SHAPED ALIGNER" filed on March 7, 2005, bearing Serial No. 11/074,297.
- (23) U.S. Non-provisional Patent Application entitled "FLUID PERMEABLE DENTAL ALIGNER" filed on March 7, 2005, bearing Serial No. 11/074,300.
- (24) U.S. Non-provisional Patent Application entitled "DISPOSABLE DENTAL ALIGNER" filed on March 7, 2005, bearing Serial No. 11/074,298.
- (25) U.S. Non-provisional Patent Application entitled "UNIVERSAL JOINT JIG" filed on March 7, 2005, bearing Serial No. 11/074,299.
- (26) U.S. Provisional Patent Application entitled "COMPUTER AIDED ORTHODONTIC TREATMENT PLANNING" filed on April 22, 2005 bearing Serial No. 60/673,851.
- (27) U.S. Non-provisional Patent Application entitled "DENTAL ALIGNER DEVICES HAVING SNAP-ON CONNECTORS" filed on April 15, 2005 bearing Serial No. 11/107,584.
- (28) U.S. Provisional Patent Application entitled "SYSTEMS FOR DIGITIZING AND REGISTERING A SUBJECT'S UPPER AND LOWER ARCHES" filed on April 22, 2005 bearing Serial No. 60/673,970.
- (29) U.S. Provisional Patent Application entitled "METHOD FOR PRESCRIBING ORTHODONTIC TREATMENTS" filed on April 25, 2005 bearing Serial No. 60/675,003.
- (30) U.S. Provisional Patent Application entitled "DIGITIZATION OF DENTAL ARCH MODEL" filed on April 29, 2005, bearing Serial No. 60/676,546.
- (31) U.S. Provisional Patent Application entitled "TREATMENT OF TEETH BY ALIGNERS" filed on April 29, 2005 bearing Serial No. 60/676,278.
- (32) U.S. Provisional Patent Application entitled "NONUNIFORM DENTAL ALIGNER AND METHODS" filed on April 29, 2005 bearing Serial No. 60/676,100.

WHEREAS, said ASSIGNOR wishes to assign any and all right, title and interest in and to said inventions and said provisional and non-provisional applications for Letters Patent of the United States that said ASSIGNOR possesses, and in and to any and all patents, United States or foreign to be obtained therefor and thereon, to said ASSIGNEE:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, any and all right, title and interest in and to the above-mentioned inventions, applications for Letters Patent, and any and all patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said ASSIGNEE, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which patents may be granted, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR, had this sale and assignment not been made.

AND for the same consideration, said ASSIGNOR hereby covenants and agrees to and with said ASSIGNEE, its successors, legal representatives and assigns, that said ASSIGNOR will, whenever counsel of said ASSIGNEE, or the counsel of its successor, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said applications for Letter Patent, or any proceeding in


pa-989209

Attorney Docket No.: 58468

connection with patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for patent or any reissue or extension of any patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of patents for said inventions, without charge to said ASSIGNEE, its successors, legal representatives and assigns, but at the cost and expense of said ASSIGNEE, its successors, legal representatives and assigns.

AND said ASSIGNOR hereby requests that all patents issue to said ASSIGNEE as the assignee of said inventions and the patents to be issued thereon for the sole use of said ASSIGNEE, its successors, legal representatives and assigns.

July 28, 05  
Date

  
Huateng WEN